

03061608.061401

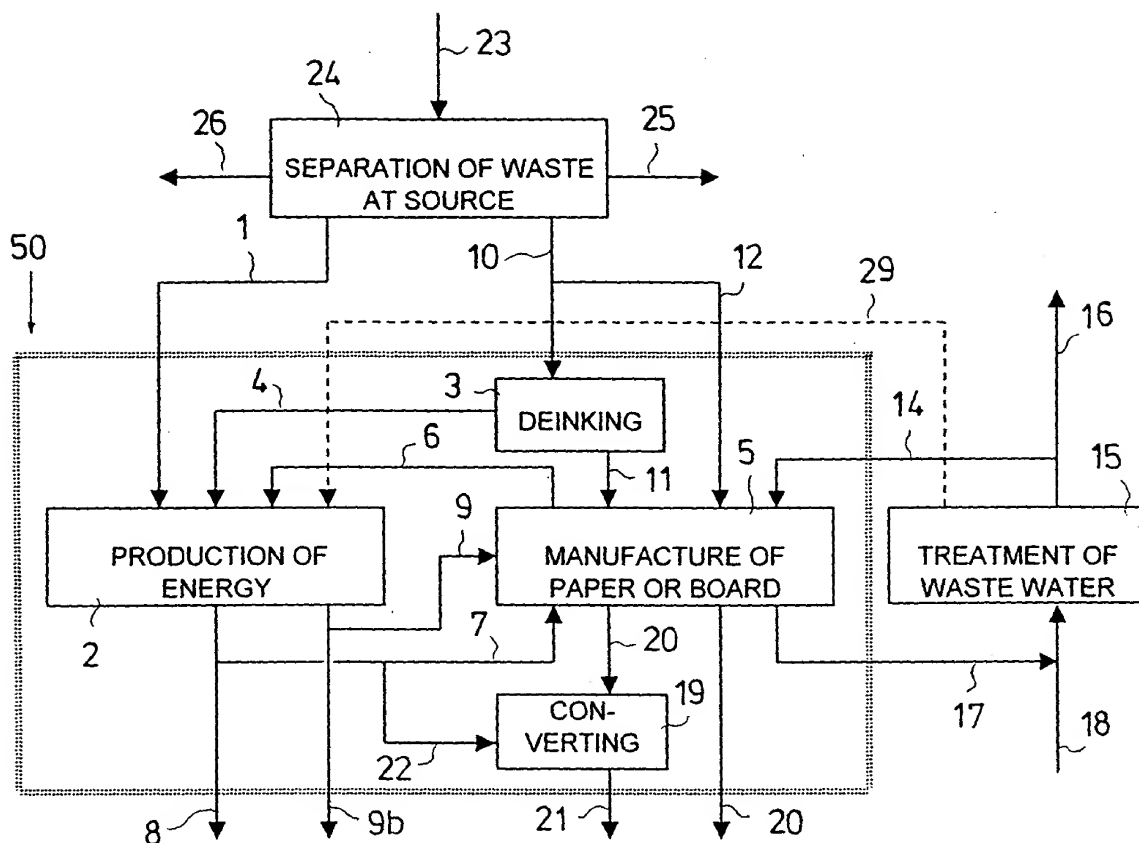


FIG. 1

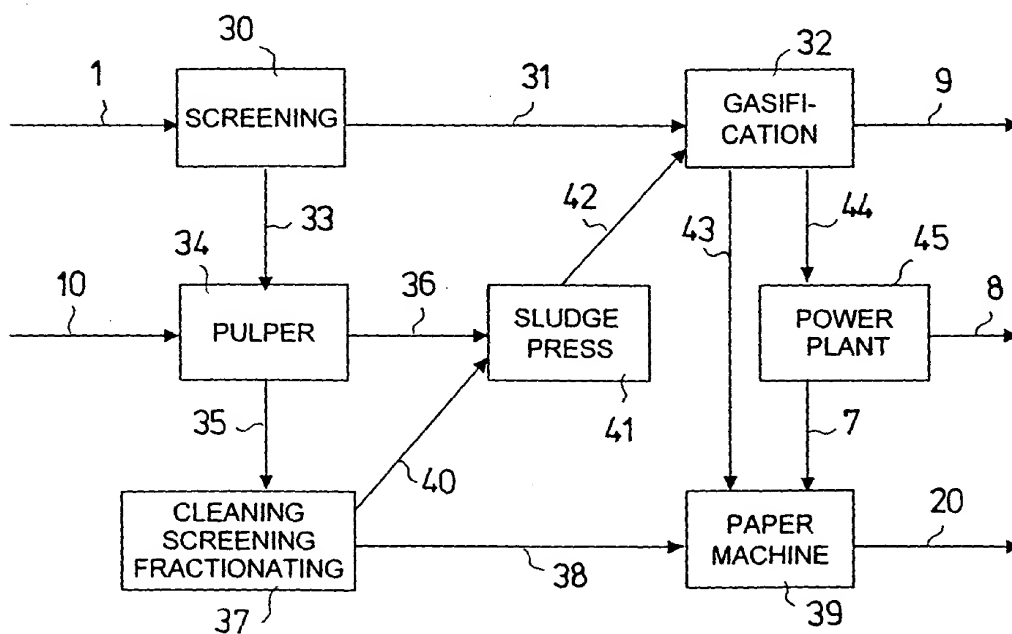


FIG. 2

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graph LR
    1((1)) --> 30[SCREENING]
    10((10)) --> 34[PULPER]
    30 -- 31 --> 32[GASIFICATION]
    30 -- 33 --> 34
    34 -- 35 --> 37[CLEANING SCREENING FRACTIONATING]
    34 -- 36 --> 41[SLUDGE PRESS]
    37 -- 38 --> 41
    37 -- 40 --> 41
    41 -- 42 --> 32
    41 -- 4 --> 47[DEINKING BLEACHING]
    32 -- 43 --> 47
    32 -- 44 --> 45[POWER PLANT]
    45 -- 7 --> 52[PULP DRYING]
    47 -- 51 --> 52
    32 -- 9 --> 9(( ))
    52 -- 50 --> 50((50))
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The flowchart illustrates a process for producing pulp from waste paper. The process begins with two input streams: stream 1 enters the SCREENING unit (30), and stream 10 enters the PULPER unit (34). Stream 1 is processed by SCREENING (30) to produce stream 31, which then enters the GASIFICATION unit (32). Stream 30 also feeds into the PULPER (34) via stream 33. The PULPER (34) produces stream 35, which enters the CLEANING SCREENING FRACTIONATING unit (37), and stream 36, which enters the SLUDGE PRESS unit (41). Stream 37 also feeds into the SLUDGE PRESS (41) via stream 40. The SLUDGE PRESS (41) produces stream 42, which enters the GASIFICATION unit (32), and stream 4, which enters the DEINKING BLEACHING unit (47). Stream 32 also feeds into the DEINKING BLEACHING unit (47) via stream 43. The GASIFICATION unit (32) also produces stream 9. Stream 47 feeds into the PULP DRYING unit (52) via stream 51. The GASIFICATION unit (32) also feeds into the PULP DRYING unit (52) via stream 44. The PULP DRYING unit (52) produces stream 50. Additionally, the GASIFICATION unit (32) feeds into a POWER PLANT unit (45) via stream 44, which produces stream 8 and feeds into the PULP DRYING unit (52) via stream 7.

FIG. 4